

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G06T5/00 G06T7/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, INSPEC, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CAIANI E G ET AL: "Analysis of left ventricular wall motion using dynamic alignment" PISCATAWAY, NJ, USA, IEEE, USA, 2000, pages 695-698, XP010528659 ISBN: 0-7803-6557-7	1,2,6-8, 10-12,16
Y	----- -/--	3-5,9, 13-15

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

21 June 2004

Date of mailing of the international search report

30/06/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BENOIS-PINEAU J ET AL: "Motion and structure based image segmentation for object oriented time-varying sequences coding"</p> <p>PATTERN RECOGNITION, 1994. VOL. 1 - CONFERENCE A: COMPUTER VISION &amp; IMAGE PROCESSING., PROCEEDINGS OF THE 12TH IAPR INTERNATIONAL CONFERENCE ON JERUSALEM, ISRAEL 9-13 OCT. 1994, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, 9 October 1994 (1994-10-09), pages 733-735, XP010216119</p> <p>ISBN: 0-8186-6265-4</p> <p>page 733, right-hand column</p> <p>figure 4</p>	<p>1-4,7,8, 11,12</p>
X	<p>-----</p> <p>PARDAS M ET AL: "Motion estimation based tracking of active contours"</p> <p>PATTERN RECOGNITION LETTERS, NORTH-HOLLAND PUBL. AMSTERDAM, NL, vol. 22, no. 13, November 2001 (2001-11), pages 1447-1456, XP004297726</p> <p>ISSN: 0167-8655</p> <p>abstract</p> <p>page 1451, left-hand column</p>	<p>1,2,7,8, 11,12</p>
Y	<p>-----</p> <p>O'DONNELL T ET AL: "Multi-modality model-based registration in the cardiac domain"</p> <p>PROCEEDINGS 2000 IEEE CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION. CVPR 2000. HILTON HEAD ISLAND, SC, JUNE 13-15, 2000, PROCEEDINGS OF THE IEEE COMPUTER CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION, LOS ALAMITOS, CA : IEEE COMP. SO, vol. VOL. 2 OF 2, 13 June 2000 (2000-06-13), pages 790-791, XP002261116</p> <p>ISBN: 0-7803-6527-5</p> <p>* section I *</p>	<p>3-5,9, 13-15</p>
A	<p>-----</p> <p>MALASSIOTIS S ET AL: "Tracking the left ventricle in echocardiographic images by learning heart dynamics"</p> <p>IEEE TRANS. MED. IMAGING (USA), IEEE TRANSACTIONS ON MEDICAL IMAGING, IEEE, USA, vol. 18, no. 3, March 1999 (1999-03), pages 282-290, XP002285161</p> <p>ISSN: 0278-0062</p> <p>page 282, right-hand column, paragraph 3 -</p> <p>page 283, left-hand column, paragraph 3</p> <p>page 285</p> <p>-----</p> <p>-/--</p>	<p>1-16</p>

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DECLERCK J ET AL: "Automatic registration and alignment on a template of cardiac stress and rest reoriented SPECT images" IEEE TRANS. MED. IMAGING (USA), IEEE TRANSACTIONS ON MEDICAL IMAGING, IEEE, USA, vol. 16, no. 6, December 1997 (1997-12), pages 727-737, XP002285162 ISSN: 0278-0062 abstract figures 5,9 * section III-A *	1-16
A	WOLF I ET AL: "Automatic segmentation of heart cavities in multidimensional ultrasound images" PROC. SPIE - INT. SOC. OPT. ENG. (USA), PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, SPIE-INT. SOC. OPT. ENG, USA, vol. 3979, pt.1-2, 2000, pages 273-283, XP002285163 ISSN: 0277-786X abstract * sections 2.1, 2.2 *	1-16